WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Machine Id

LIEBHERR LRB18 111114

Component Left Travel

GEAR OIL SAE 80W90 (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		LHMC165906		
	Sample Date		Client Info		21 May 2024		
	Machine Age	hrs	Client Info		487		
	Oil Age	hrs	Client Info		487		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Not Changd		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>500	78		
	Chromium	ppm	ASTM D5185m		1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>100	<1		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m	>60	0		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION			AOTM DEGOS	450			
CONTAMINATION	Silicon	ppm	ASTM D5185m		3		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		11		
	Water	analar	WC Method		NEG		
	Silt Debris	scalar	*Visual	NONE	NONE NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
			*Visual	NORML	NORML		
	Appearance Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
FLUID CONDITION			40TH BE/05				
	Sodium	ppm	ASTM D5185m ASTM D5185m		6 9		
The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		23		
	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m	1_	1		
	Magnesium	ppm	ASTM D5185m	12	<1		
	Calcium	ppm	ASTM D5185m		26		
	Phosphorus	ppm	ASTM D5185m		1285		
	Zinc	ppm	ASTM D5185m		24		
	Sulfur	ppm	ASTM D5185m		32137		
	Visc @ 40°C	cSt	ASTM D445		198		
Report Id: LFC0007 IWUSCARI 06195812 (Generated: 05/31/2024 20:16:38) Rev: 1					ocation: BA		LECON







Certificate L2367

Laboratory Sample No.

Lab Number : 06195812 Unique Number : 11057935 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : LHMC165906 : 30 May 2024

Tested : 31 May 2024 : 31 May 2024 - Wes Davis Diagnosed

AMERICAN STATE EQUIPMENT CO.

2055 SOUTH 108TH STREET MILWAUKEE, WI

US 53227

Contact: RAY SCHMIDT RSCHMIDT@AMSTATE.COM

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: RAY SCHMIDT - LEC0007